GREAT EXHIBITION,
Class 7, No. 188.
GREEN'S REGISTERED WINDGUARD.

The most perfect cure for SMOKY CHIMNEYS, caused by the wind.

Price, according to size, from 6s. to 8s. 6d.

Apply at 8, Vittoria-place, Pentonville-road, Euston-square, London.

N.B. A month's trial allowed; if not successful, money returned!!

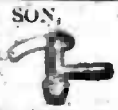
SMOKY CHIMNEYS.
GREEN'S PATENT PROTECTIVE CHIMNEY-POT.

This Chimney-Pot has been well tested, and is the best machine for the cure of Smoky Chimneys. May be fixed on a common chimney-pot. Manufactured and sold by A. GREEN, Inventor and Patentee, 6, King-street, Hammersmith, near London.

Price 14s. A liberal allowance to Builders.

LIGHTERAGE.—To Saw-Mill Proprietors,
Timber, Slate, and stone Merchants, or others, requiring Lighterage.—The Advertiser having a large number of Barges, is willing to undertake LIGHTERAGE at prices that defy competition.—CHARLES STRETTON, 31, Commercial-road, Lambeth.

THOS. LAMBERT and SON,



PATENTEES of the Flexible Diaphragm and High-pressure Valve Cocks.

Equilibrium Ball Valves, and Self-acting Water-closets; manufacturers of Hydraulic, Gas, and Steam Fittings, Tin, Lead, and Composition Pipes.

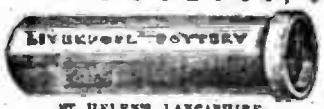
SHORT-STREET, NEW CUT, LAMBETH, LONDON.

PRIZE MEDAL OF THE GREAT EXHIBITION FOR HAYWOOD'S IMPROVED METALLIC ROOFING, MILLBOARD, and FLOORING TILES in great variety, adapted for Churches, Entrance Halls, Conservatories, &c. &c. Also their newly invented STABLE PAVEMENT, and IMPROVED VITRIFIED DRAIN and SOCKET PIPES for Sewerage, conveying water, and all sanitary purposes, warranted impermeable, and to resist all acids and exhalations passing through them.

H. and R. HAYWOOD, Brownhill's Tileries, near Burnley, and Newcastle-on-Tyne; London Depot, 15, South Wharf, Paddington, Manufacturers to Her Majesty's Commissioners of Woods and Forests.

P.S.—The whole of the Roofing, Flooring Tiles, and Drain Pipes used for the stations on the Trent Valley Railway, were supplied from these works. Illustrated lists and other particulars, on application.

JOHN DOULTON, JUN.,



ST. HELEN'S, LANCASHIRE.

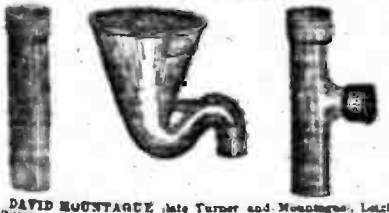
The most economical and efficient system of drainage is formed with

DOULTON'S STONE-WARE PIPES.

Testimonials as to their superiority have been received from the Borough Engineer of Liverpool, Glasgow, and other cities.

FIRE-CLAY FLUE PIPES,
TERRA COTTA CHIMNEY TOPS, &c. &c.
WAREHOUSE, 70, SOHO-STREET, LIVERPOOL.

GREAT REDUCTION in PRICES.
GLAZED STONE WARE DRAIN PIPES



DAVID MOUNTAGUE, late Turner and Mountague, Leach Pottery, near Southend, Kent, now offer to the public their Stone Ware Drain Pipes of the best quality at the following reduced prices:—

Straight Tubes with Socket Joints, in 2-feet lengths.

2in.	3in.	4in.	6in.	9in.	12in.	15in.	18in.
2d.	3½d.	4½d.	6d.	10d.	1s. 4½d.	2s. 3d.	3s. 3d. per foot.

Chemical stone-ware; Traps 5s.; Bends, Junctions, Pillars, Joint Bonding, &c. &c. at reduced prices in proportion. A discount on the above prices dependent on quantity and mode of payment. Orders received at and executed from his Wharfs, Union Wharf, 20, Bankside, Blackfriars; Harrow-on-the-Hill Wharf, Harrow; and at his Cement Works, Gadshead-bottom, Rochester.

PRIZE MEDAL awarded to PEAKE'S TERRO-METALLIC TILES, PIPES, &c.
ILLUSTRATED TRADE LISTS, containing much information useful for reference; also unsolicited testimonials respecting a MATERIAL which, when well wrought, is probably superior to every other for draining on stiff clays, for ridges, hips, valleys, and every part of roofs, for plain or ornamental floors, for paving and covering of a strong and durable nature, also many other purposes, supplied promptly by THOMAS PEAKE (proprietor of Peake's "Terro-Metallic"), No. 8, WHARF, CITY-ROAD BASIN, LONDON, and at THE TILERIES, TUNSTALL, STAFFORDSHIRE. The latter contain both patent and ordinary machinery, and approximate cost by measure. It is requested that letters be prepaid, and state if Staffordshire or London prices are wanted. Specimens were at the GREAT EXHIBITION, Class 27, No. 138 (having been at first No. 1111).

SMITH'S REGISTERED AUTOMATON CLOSET-PAN and TRAP ..... 7s. 6d.
WITH OUTLET JUNCTION and AIR-TIGHT CAP for communication with the trap and drain-pipe, extra ..... 2s. 6d.

The above are adapted for general purposes, but were expressly designed for connection with SMITH'S REGISTERED AUTOMATON, or SELF-ACTING FLUSHER, forming (in either the cheapest and most efficient water-closet ever introduced; detailed particulars and prices of which may be had of THOS. SMITH, Stone Ware Drain Pipe Manufacturer, 72, Fisher's-street, Lambeth.

IMPROVED DRAINAGE.—BY ROYAL LETTERS PATENT.

STANDING, PHILLIPS, and CO., sole Patentees and Manufacturers of the
PATENT GLAZED STONEWARE SEWAGE PIPES,
Contractors under the General Board of Health, and the Metropolitan Commissioners of Sewers.
Offices, 32, Cornhill; Works, Pearson's Wharf, Commercial-rd, Limehouse, where specimens may be seen and prices obtained.

TO MANUFACTURERS OF DRAIN PIPES, HOLLOW BRICKS, TILES, &c.
STANDING, PHILLIPS, and CO.
are now sending out their
PATENT SCREW PIPE AND TILE MACHINE,
and GRANTING LICENCES for the USE of SAME.

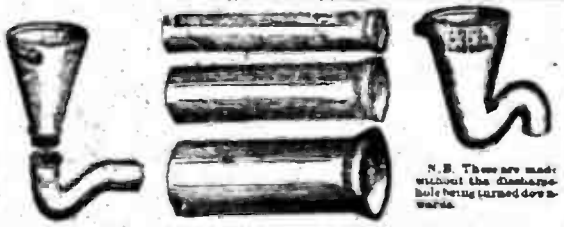
This Machine will make Pipes of any diameter, from the smallest drain pipe up to the largest main sewer, and combines the operations of pugging, screwing, and forming the pipe at the same time, by which a considerable saving of labour and expense is effected; and from the great and equal pressure employed, and the superior mode of manufacturing (in which the air is allowed to escape), Pipes are produced sounder, smoother, and superior in every respect to those formed by any other process.

THE MACHINE MAY BE SEEN IN OPERATION ON APPLICATION AT THE OFFICES, 32, CORNHILL, where every information as to terms, &c., may be obtained.

JAMES STIFF, MANUFACTURER of GLAZED STONE WARE DRAIN PIPES,
BENDS, JUNCTIONS, TRAPS, &c. 39, HIGH STREET, LAMBETH, LONDON. Established 1751.

Water Closet Pans, with Syphon Traps, 7s. 6d. each.

STRAIGHT TUBES, with Socket Joints, 1ft. 6 feet lengths.



N.B. These are made without the discharge-hole being turned downwards.

The great advantages attending the use of these articles are now so generally understood, as to render any enumeration of them almost superfluous. They always give, efficiency, and durability are universally admitted, while the rapidly increasing demand for them proves their estimated superiority over every other kind hitherto before the public for sanitary purposes.

Inspection is invited to an assorted stock of Drain Tubes, of every form and size, adapted to the various circumstances for which they may be required; as also to the WATER-CLOSET PANS OF IMPROVED CONSTRUCTION, and interior clear (not enamelled) and other manufactured of Brown Stone Ware.

May be had also at Messrs. GLADDISH'S LIME WHARFS, Pimlico, Westminster-bridge; City-road Wharf, City Basin, London-road, Bermondsey; Dunster's Wharf, foot of Battersea-bridge, Chelsea; Pratt Wharf, Kingsland-road, Camden New Town.

Drawings and List of Prices will be forwarded on application.

REGISTERED CLOSET PANS WITH STRAIGHT BACKS.
(No. 1510.)

DOULTON AND WATTS,
LAMBETH POTTERY LONDON,

Offer these CLOSET PANS OF IMPROVED FORM WITH SYPHON TRAPS at the

Price of the Common shaped Pans.

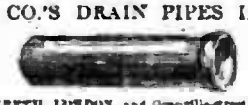
Price 7s. 6d. each.

A Liberal Discount allowed to Builders and Plumbers.

*** The advantages of these Registered straight back Pans is their greater CLEANLINESS.

N.B.—Patterns Nos. 1, 2, 3, and 4, as in former advertisements, manufactured as usual.

HENRY DOULTON AND CO.'S DRAIN PIPES IN GLAZED STONE WARE.



OFFICES—HIGH-STREET, LAMBETH, LONDON, and Granville-street Wharf, Broad-street, Birmingham.
MANUFACTORIES—HIGH-STREET, LAMBETH, LONDON; ROWLEY REGIS, STAFFORDSHIRE; AND SMETHWICK, NEAR BIRMINGHAM.

May also be had as follows:—

BIRMINGHAM	Granville-street Wharf	LEICESTER	Messrs. J. and T. Jackson.
GLOUCESTER	Mr. Jesse Seymour	YORK	Mr. M. Varvill, Micklegate.
NORTHAMPTON	Messrs. Adcock and Greenough.	WOLVERHAMPTON	Mr. H. Sheldon.
WORCESTER	Messrs. Rowland and Son.	TAUNTON	Mr. Geo. Pollard.
COVENTRY	Mr. J. Alcott.	STRATFORD-ON-AVON	Messrs. J. Cox and Son.
CHELTENHAM	Mr. J. Blizard.	JERSEY	Mr. John Le Cras, Charing-cross.

STRAIGHT TUBES WITH SOCKET JOINTS from 2 inch to 24 inches in diameter. BENDS, JUNCTIONS, TRAPS, &c. OF EVERY DESCRIPTION. Drawings, with prices, &c., will be forwarded free on application as above.

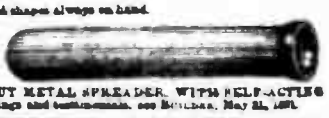
STEPHEN GREEN and CO.'S IMPROVED DRAIN PIPES,
GLAZED INSIDE—WORKS, IMPERIAL POTTERIES, PRINCES-STREET, LAMBETH.

Common-shape Closet Pans, well glazed inside, 7s. 6d. each.

Ditto, if fitted with the patent straight valve, by which the trap can be cleansed without removing the seat, 10s. 6d. each.

Various patterns of improved shapes always on hand.

Straight Tubes, Junctions, Bends, Curves, Elbows, Syphon-traps, Flap-traps, Drums, Surface-gratings, and increasing Pipes always kept in stock.



Manufacturers of the
PATENT SYPHON FLUSHING-BASIN, WITHOUT METAL SPREADER, WITH SELF-ACTING CLOSET CONNECTIONS. For illustrations, drawings, and testimonials, see BUILDER, May 31, 1851.

SUPERIOR GLAZED STONEWARE DRAIN PIPES,
invented and manufactured by
WILLIAM BORTHEN, UNION POTTERY, No. 34, VAUXHALL-WALK, LAMBETH.

W. BORTHEN begs to inform surveyors, contractors, builders, master tradesmen, &c. that he has obtained a "Specimen" new patent machinery for making GLAZED STONEWARE DRAIN PIPES, JUNCTIONS, BENDS, ELBOWS, SYPHON-TRAPS, &c. &c. Amongst the many advantages of pipes made by this machinery over all others may be mentioned, that it insures perfect uniformity in form and size, both of pipes and sockets, the construction of a different and better construction than any others now in use; and the pipes and sockets being made by one process are entirely free from separation.

W. B. invites particular attention to the superior quality of the glaze used in his manufacture, which is equal to china and non-lurid stoneware in the chemical impossible. CLOSET PANS, with basin and trap, and improved syphon valve glaze.—W. BORTHEN'S PIPES MAY BE INSPECTED AT THE FOLLOWING PLACES, WHERE ORDERS ARE RECEIVED:—

Bermondsey and Rotherhithe.—Messrs. Hart, Wharf, Rapperly's Park Basin.—J. G. Hibbert, Crown and Hammerton Wharf, No. 6, Upper Thames-street.—Long and Son, Richmond.—Charles Richardson's, South Wharf, Paddington.—G. Emden, Commercial Road Wharf, Hackney.—W. Parrys, Canal Bridge, Old Kent-road.—Millwood and Bennett's Wharf, Limehouse and Basin, and Orsett Wharf, Greenwich.—J. Corbet's Depot, Britton-street, Clerkenwell, and the Potteries.

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